

Scan. Point®

ScanPoint® Local Client

Image Management System

ScanPoint[®] Local Client

Image Management System

User's Manual

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Contacting Verathon

Corporate Headquarters

20001 North Creek Parkway
Bothell, WA 98011
USA
800.331.2313 (US and Canada only)
425.867.1348
Fax: 425.883.2896

Verathon Medical (Japan) K.K.

Executive Tower Azabudai 7F
1-4-3 Azabudai
Minato-ku, Tokyo 106-0041
Japan
+81.3.3560.3501
Fax: +81.3.3560.3502

Verathon Medical (Europe) B.V.

EC REP
Linnaeusweg 11
3401 MS IJsselstein
The Netherlands
+31.30.68.70.570
Fax: +31.30.68.70.512

Verathon Medical (France)

Postal Address
BP 10039
F-67012 Strasbourg Cedex
France
+33.3.88.60.14.12
Fax: +33.3.88.60.46.87

Office Address:

Espace Europeen de
l'Entreprise
2 allée d'Oslo
67300 Schiltigheim

Verathon Medical (United Kingdom) Ltd.

The Granary Manor Farm Courtyard
Aston Sandford, Aylesbury
Buckinghamshire HP17 8JB
United Kingdom
+44.1844.299.207
Fax: +44.1844.299.218

PN: 0900-0990-02-60



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Getting Started

ScanPoint® Local Client is innovative image management software that enhances and expands the capabilities of the BladderScan® BVI 6000 series devices, BladderScan® BVI 9000 series devices, and FloPoint® Elite.

Using ScanPoint® Local Client you can:

- ♦ View ultrasound measurements and images from patient exams
- ♦ Print exam results for patient records and for reimbursement (if applicable) using your choice of report formats
- ♦ Save and store images and patient exam data on your computer. Review and print new and past exams and voice annotated exams
- ♦ Receive calibration alerts and facilitate device maintenance.

NOTE: Review the following information before beginning installation of the ScanPoint® software.

- ♦ **DO NOT PLUG IN ANY NEW HARDWARE DEVICES** (DOCKING STATION, WIRELESS HUB, LABEL WRITER) BEFORE INSTALLING SCANPOINT® LOCAL CLIENT. IF YOU HAVE ALREADY PLUGGED ONE IN, CANCEL THE ADD NEW HARDWARE DIALOG AND DISCONNECT THE HARDWARE BEFORE PROCEEDING.
- ♦ Verify that your computer meets the minimum requirements for this software installation. (See “System Requirements” beginning on page 10.)
- ♦ You must have Administrator privileges on your computer to install this software.
- ♦ **Important:** Make sure you have the latest service pack and critical updates for the version of Windows® that you are running. To find recent security updates, visit Windows® Update. (From your Internet Explorer browser window, select Tools > Windows® Update.
- ♦ The dialog boxes displayed on your screen may differ slightly from those illustrated in the following steps. In this case, follow the instructions in the dialog boxes displayed on your screen.

System Requirements

To use ScanPoint® Local Client, your computer must meet the following hardware and software requirements:

:: NOTE ::

ScanPoint® Local Client works only with Microsoft® Internet Explorer® 6.0 or higher.

Adobe® Acrobat® Reader® 6.0 or higher must be installed on your computer in order to use ScanPoint® Local Client.

ScanPoint® Local Client is not compatible with the Windows® Vista® operating system.
ScanPoint® Local Client is not compatible with Apple® Macintosh® computers.

Hardware Requirements

Minimum and recommended hardware requirements are summarized in Table 1 below.

Table 1. Hardware Requirements

Requirement	Minimum	Recommended
Processor	PC with 800 MHz processor	PC with 2.0 GHz processor
Video display	Video card and monitor capable of 800 x 600 resolution.	Video card and monitor capable of 1024 x 768 resolution.
USB Ports	2 USB 2.0 ports	3 USB 2.0 ports (1 for the Docking Station, 1 for the Wireless Hub, 1 for LabelWriter)*
Hard drive	200 Mb of available space	5 Gb of available space
Memory	512 Mb	512 Mb
Internet access	256k DSL	512k DSL, cable modem, T1 line or other high-speed connection

* Three USB ports are recommended, with a maximum of six possible as follows:

- ♦ One for the ScanPoint® Docking Station (up to four Docking Stations may be installed)
- ♦ One for the ScanPoint® Wireless Hub (one only)
- ♦ One for the ScanPoint® LabelWriter (one only)

Software Requirements

Minimum and recommended hardware requirements are summarized in Table 2 below.

Table 2. Software Requirements

Requirement	Minimum	Recommended
Operating system	Microsoft® Windows® 2000 Professional with Service Pack 2	Microsoft® Windows® 2000 Professional with Service Pack 4, Windows® XP with the latest Service Pack.
Browser	Microsoft® Internet Explorer® version 6.0 with Service Pack 1	Microsoft® Internet Explorer® version 7.0
Microsoft® .NET Framework®	.NET Framework® version 2.0 (This software is installed with ScanPoint® LC.)	.NET Framework® version 2.0 with the latest Microsoft® updates installed.
Adobe® Acrobat® Reader®*	Adobe® Acrobat® Reader® 6.0	Adobe® Acrobat® Reader® 7.0*

*Available for free download from <http://www.adobe.com>.

Software Installation

DO NOT PLUG IN ANY NEW HARDWARE DEVICES UNTIL INSTRUCTED TO DO SO!

This includes the:



ScanPoint® Docking Station Used with BladderScan® 6000 series devices and FloPoint® Elite.



Battery Charger/Wireless Hub Used with BladderScan® 9000 series devices.

Install Adobe® Acrobat® Reader®

ScanPoint® Local Client uses Adobe® Acrobat® Reader® (version 6.0 or higher) to print labels and patient reports. If Acrobat® Reader® software is not already installed on your computer, you can obtain a free copy by going to <http://www.adobe.com> and following the links for Acrobat® Reader®. After installing the Acrobat® Reader® software, you must run Acrobat® Reader® once to accept the End User License Agreement.

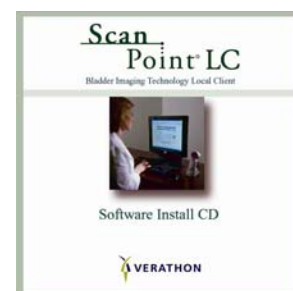
ScanPoint® Local Client Installation

1. Insert the ScanPoint® Local Client Software Install CD into your computer's CD drive.

The Install Shield Wizard should start automatically.

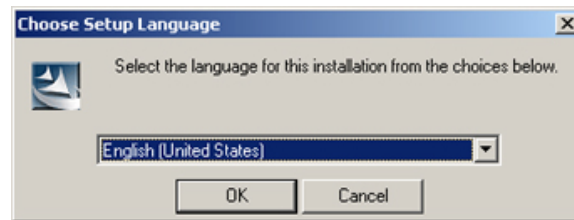
If the Install Shield Wizard does NOT open automatically:

- a) Double-click the My Computer icon on your desktop.
- b) Double-click your CD drive icon or name.
- c) Double-click the Setup.exe file. The first installation dialog box is displayed.
- d) Click NEXT.



2. The Choose Language Setup dialog will open (Figure 1).

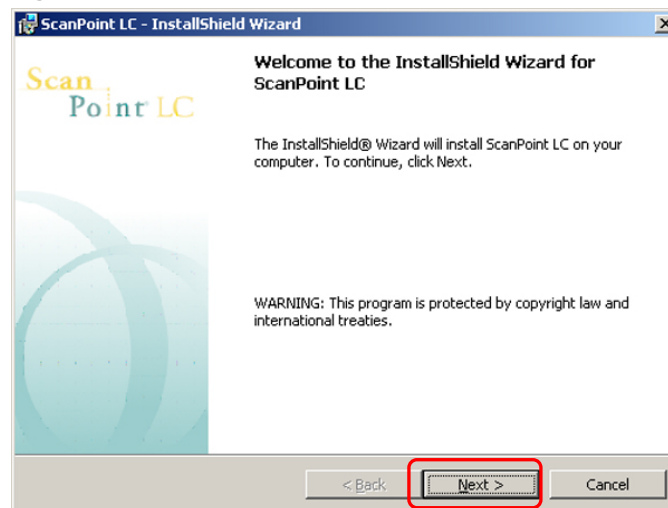
Figure 1. InstallShield Wizard Preparing to Install



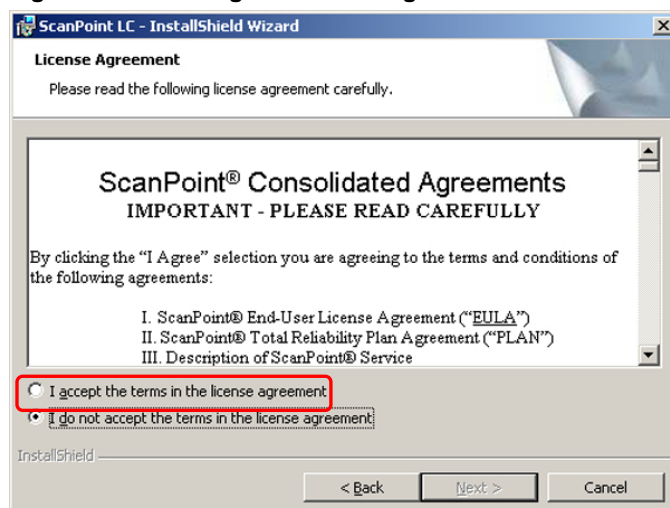
Use the drop down list to select your desired language.
Click OK.

3. The ScanPoint® Local Client InstallShield Wizard Welcome Screen opens. (Figure 2). Click NEXT.

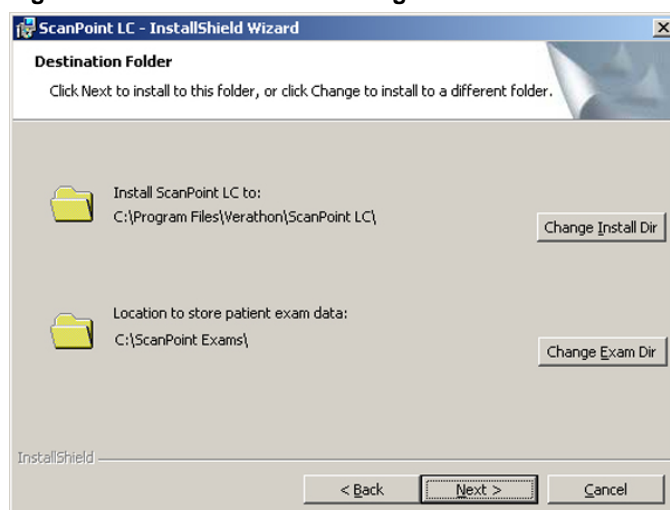
Figure 2. ScanPoint® LC InstallShield Wizard Welcome Screen



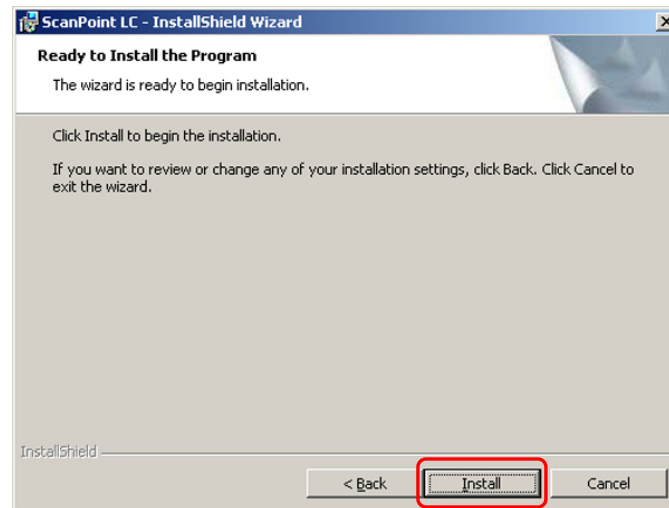
4. The ScanPoint® License Agreement is displayed (Figure 3). You must select the "I accept the terms of the agreement" radio button to continue.

Figure 3. License Agreement Dialog

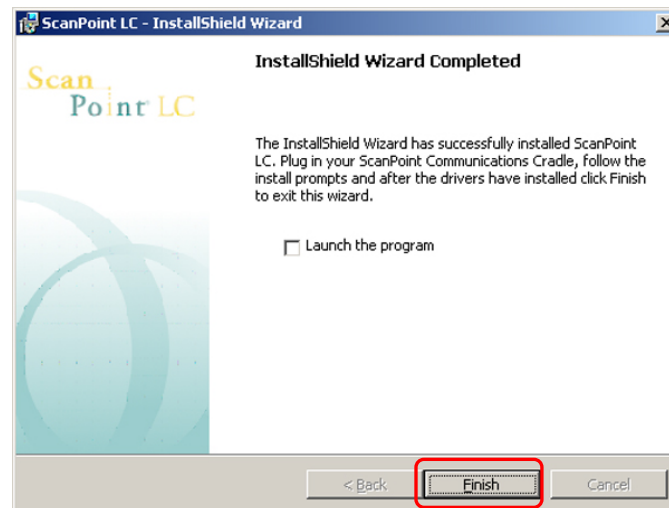
5. The Destination Folder dialog is displayed (Figure 4). Default locations are shown for the program files and saved exams.

Figure 4. Destination Folder Dialog

- ♦ To accept the default locations, no action is required. Select NEXT to continue installation.
 - ♦ To change locations, click the desired CHANGE button and browse to the desired location on your hard drive. After making your changes, click NEXT to continue installation.
6. The Ready to Install dialog is displayed (Figure 5). Click INSTALL to complete the software installation.

Figure 5. Status Dialog

7. When installation is complete, the InstallShield Wizard Completed dialog is displayed (Figure 6). Click FINISH. Remove the Install CD from your computer's CD drive

Figure 6. InstallShield Wizard Completed Dialog

Install the Docking Station or Wireless Hub

Depending on which BladderScan® or FloPoint® device you are using, you will link your device to ScanPoint® LC using either a Docking Station or a Battery Charger/Wireless Hub. Refer to Table 3 for more information

- ♦ **Docking Station:** Used with FloPoint® Elite and BladderScan® 6000 series devices.





NOTE: The ScanPoint® Docking Station looks very similar to the BladderScan® 6000 series Battery Charger. To make sure that you have the ScanPoint® Docking Station, check that it has a USB connector and that the label on the bottom says, "ScanPoint® Docking Station."

- ♦ **Battery Charger/Wireless Hub:** Used with BladderScan® 9000 series devices.

The Battery Charger/Wireless Hub can transmit data to/from the BladderScan® 9000 series device while simultaneously charging two battery packs.

NOTE: The power cord supplied with the Battery Charger/Wireless Hub must be connected to the Battery Charger/Wireless Hub and plugged into a wall outlet to charge the battery packs.

Table 3. Connecting Your BladderScan® or FloPoint® Elite to ScanPoint® Local Client

If you have a	Connect to ScanPoint® With
FloPoint® Elite	Docking Station
	
BladderScan® BVI 6000 series	Docking Station
	

If you have a**Connect to ScanPoint® With****BladderScan® 9000 series****Battery Charger/Wireless Hub**

- ◆ ScanPoint® Local Client can recognize up to four ScanPoint® Docking Stations at any one time. Only one Battery Charger/Wireless Hub can be connected at any one time and the Wireless Hub can connect to only one BVI 9000 series device at any one time.
- ◆ You will need to complete a separate Found New Hardware Wizard for each Docking Station or Wireless Hub that you install.

To install the Docking Station / Wireless Hub:

1. Using the cable provided with the Docking Station / Wireless Hub, plug the USB connector into any available USB port on your computer. Plug the other end into the USB connector on the rear of the Docking Station / Wireless Hub.
 - ◆ If you have a BladderScan® 9000 series Wireless Hub, plug the Wireless Hub power cord into a wall outlet.
 - ◆ The Found New Hardware Wizard will open (Figure 7).

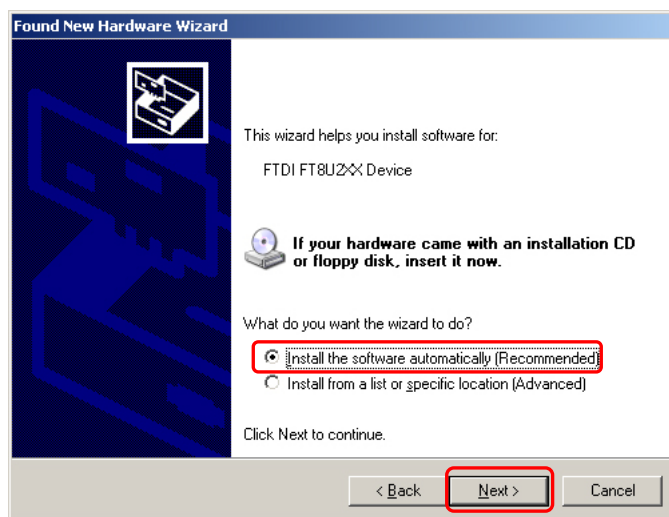
2. Select the “No, not this time” radio button and click NEXT.

Figure 7. Found New Hardware Wizard



3. The Install Options dialog will open (Figure 8). Select the “Install the software automatically (Recommended)” radio button and click NEXT to install the drivers for the hardware automatically.

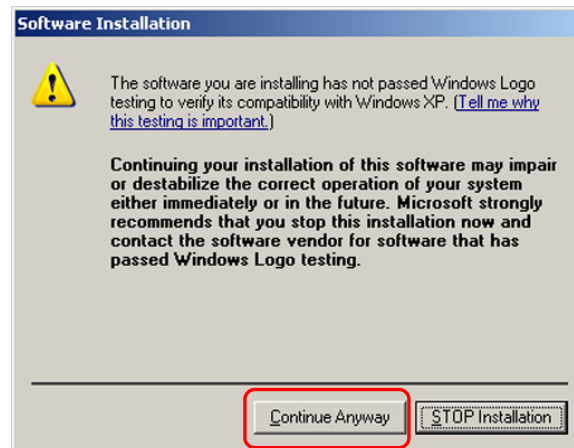
Figure 8. Found New Hardware Wizard - Install Options Dialog



4. A warning is displayed (Figure 9) stating that Microsoft® has not yet tested this software for compatibility with the Windows® XP and Windows® 2000 operating systems. However, Verathon® has tested the ScanPoint® Local Client software and hardware drivers rigorously and is confident that they are fully compatible with both Windows® XP and Windows® 2000.

Click CONTINUE ANYWAY.

Figure 9. Software Compatibility Dialog

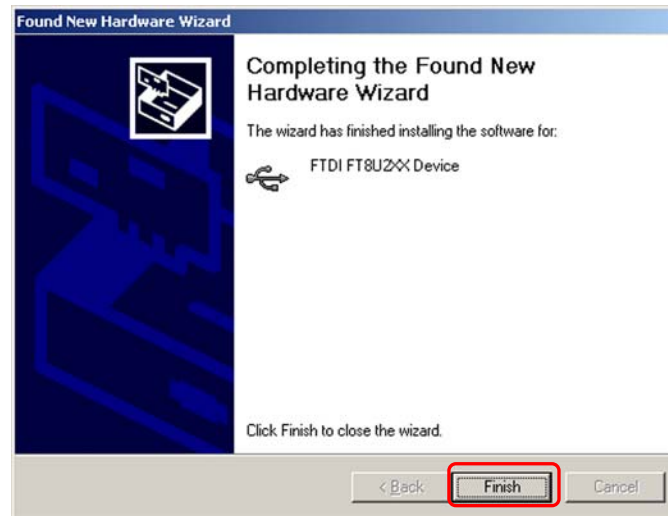


5. A software installation screen is displayed (Figure 10) followed by a notice that installation is complete (Figure 11).

Click FINISH.

Figure 10. Installing Software Screen



Figure 11. Installation Complete

ScanPoint® LC Basics

Starting ScanPoint® LC

Once ScanPoint® LC is installed, it starts automatically every time you turn on your computer. You can verify that ScanPoint® LC is running by confirming the presence of the ScanPoint® LC icon in your system tray (in the lower right corner of your screen near the clock).



- ♦ If ScanPoint® Local Client is running in the background, you can open it manually by double-clicking the ScanPoint® icon in your system tray.
- ♦ If ScanPoint® Local Client is not running, you will not see the ScanPoint® icon in the system tray. To open it, either double-click the ScanPoint® LC icon on your desktop or open the Start menu and select:

Start > Programs > Verathon® > ScanPoint® LC > ScanPoint® LC.

ScanPoint® LC stays in the background and becomes active only when:

- ♦ A BladderScan® 9000 series device with saved exams is moved within range of the Battery Charger/Wireless Hub (the Battery Charger/Wireless Hub must be connected to the computer's USB port and plugged into a power outlet).
- ♦ A BladderScan® 6000 series device that is holding exam data is placed in its Docking Station (the ScanPoint® Docking Station must be connected to the computer's USB port).

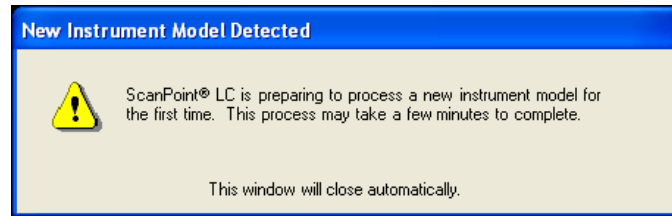
NOTE: ScanPoint® LC does not work with the BVI 6300 or BVM 6500 devices.

- ♦ A FloPoint® Elite instrument that is holding exam information is placed into its Docking Station (the ScanPoint® Docking Station must be connected to the computer's USB port).

Warning Messages at Startup

The following messages may appear when the ScanPoint® LC main window is open:

- ♦ **New Instrument Model Detected:**
This message appears the first time exam data is received from a new or just recalibrated BladderScan® or FloPoint® device that has been placed in its Docking Station / Wireless Hub (Figure 12).

Figure 12. New Instrument Model Detected Warning

- ♦ **Unprocessed Exams Detected:**
This message appears when a BladderScan® or FloPoint® device that is holding exams is placed in its Docking Station / Wireless Hub. Follow the on-screen prompts to process or delete the exams.
- ♦ **Calibration Warning:**
This message appears if a device will require calibration within 20 days. Please take prompt action to assure that the device continues to perform properly. If you are calibrating your device using ScanPoint® Online, please refer to the calibration instructions found in this manual. Otherwise, contact Verathon Medical® Customer Care for assistance. Contact information can be found on page 53 in this manual or under the Help menu in ScanPoint® LC.

Using Multiple Wireless Hubs or Docking Stations

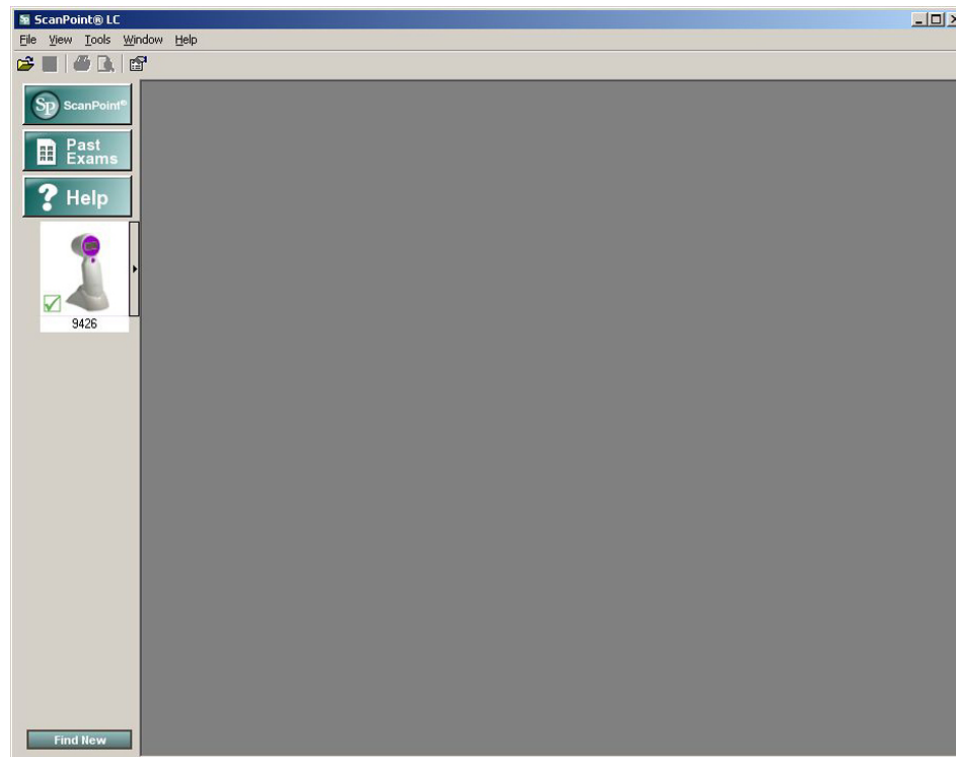
ScanPoint® Local Client can recognize up to four ScanPoint® Docking Stations at one time. Only one ScanPoint® Wireless Hub can be connected at one time and the hub will connect to only one BVI 9000 series instrument at a time.

The maximum number of Docking Stations and Wireless Hubs that can be connected simultaneously is four docking stations and one wireless hub.

The currently active instrument is indicated by a solid border around the status icon. To communicate with a different device, click its status icon to make it active.

The ScanPoint® LC Main Window

When you start ScanPoint® LC, the Main Window opens on your computer monitor. You can access all the features of ScanPoint® LC from this window. Features of the Main Window are explained in Figure 13, Figure 14 and Table 4, on the following pages.

Figure 13. ScanPoint® LC Main Window

- ♦ If no BladderScan® or FloPoint® device is in the Docking Station or Wireless Hub, or if the device in the Docking Station / Wireless Hub is not holding a scan, no exam record will open (Figure 13).
- ♦ If the instrument is in the Docking Station and is holding a scan, a blank exam record will open, ready to receive new exam details (Figure 14).
- ♦ If connecting to a BVI 9400 Battery Charger/Wireless Hub, please click the FIND NEW button at the bottom of the screen.

Figure 14. ScanPoint® LC Main Window with Exam Record

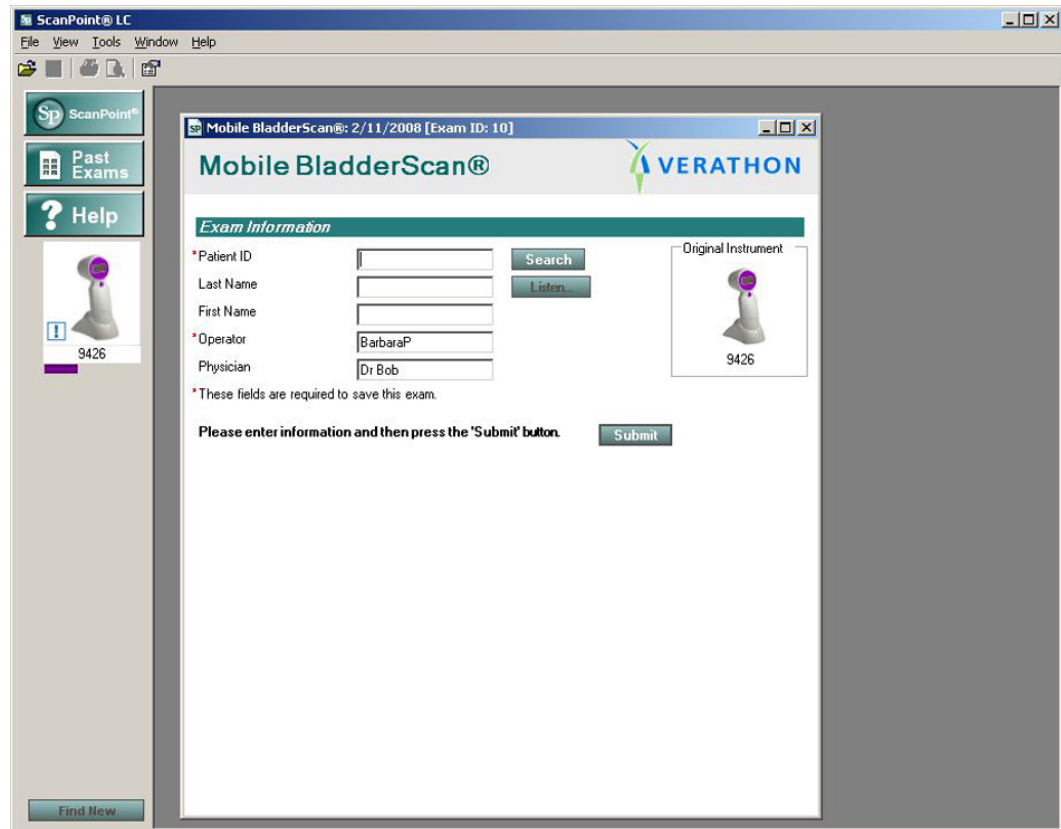
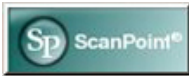
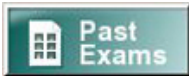
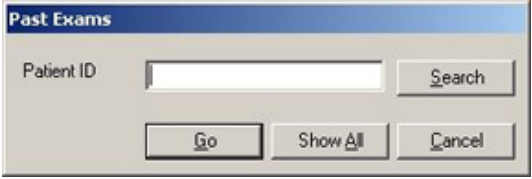
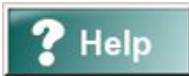




Table 4. ScanPoint® LC Main Window Features and Controls

Item	Meaning
 ScanPoint® Button	<p>Click to open ScanPoint® Online. If your computer is equipped with the QuickPrint client, a connection to ScanPoint® Online allows you to calibrate... your BladderScan® or FloPoint® device yourself, rather than sending it to a service center. A ScanPoint® Online connection also allows you to update your software and allows Verathon® service technicians to link to your device for remote diagnostics and troubleshooting.</p> <p>NOTE: This feature requires an Internet connection and a ScanPoint® Online Login Name and Password. Please contact your Verathon Medical® Customer Care representative to open a ScanPoint® Online account.</p>

Item	Meaning
 <p>Past Exams Button</p>	<p>Click to open the Past Exams dialog (below).</p>  <ul style="list-style-type: none"> ♦ To open an individual exam: Enter the Patient ID and click GO. ♦ To open a list of all past exams: Click SHOW ALL to open a list of all past exams. To view an individual exam, click the check ♦ To open a list of all patients: Click SEARCH to open a list of all patients. Click the patient's name to open the associated exam.
	<p>Click to open fully documented user instructions for ScanPoint® LC.</p>
 <p>Status Icon</p>	<p>Functioning Docking Stations / Wireless Hubs are shown in the left margin of the ScanPoint® LC window directly below the ScanPoint®, Past Exams, and Help buttons.</p> <p>Status Indicator: Possible symbols are:</p> <ul style="list-style-type: none"> ♦ Blue exclamation point: ScanPoint® LC is waiting for you to input information. ♦ Green check mark: The instrument is ready to use. A small arrow will appear to the right of the icon (▶). Clicking the arrow will open the instrument details box (Figure 15). The box provides basic information about the device such as part number, serial number, and next calibration date. ♦ Red stop sign: The instrument is performing a process such as transmitting information to ScanPoint®. Do not remove from the wireless connection. <p>Progress bar: The degree of completion of the current process.</p> <p>Instrument image: A picture of the instrument that is currently transmitting data to the computer.</p> <p>Instrument name: The name assigned to the instrument. You can rename the instrument by clicking on the name and entering a new one.</p>

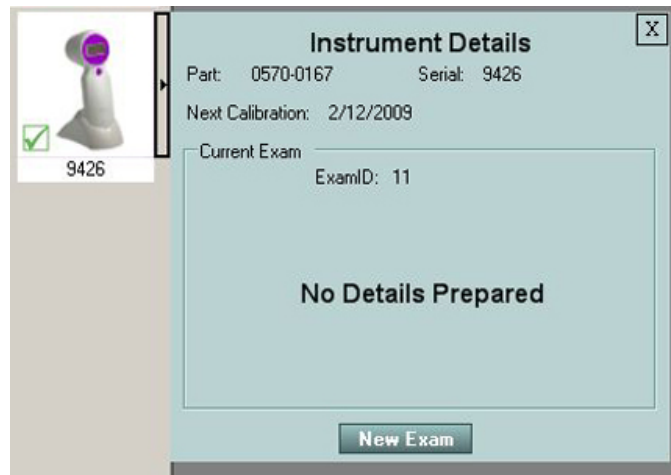
Item	Meaning
 Find New Button	BladderScan® 9000 series instruments only: Click to find new Docking Stations or to connect to BladderScan® 9000 series instruments.

Viewing Instrument Details

An instrument that is ready to perform an exam has a ► beside its icon. Clicking the ► will open the Instrument Details window. This window provides information about the device such as part number, serial number, next required calibration date, and Current Exam ID.

To prepare a new exam, click the NEW EXAM button. Please refer to Preparing a New Exam on page 33 for more information.

Figure 15. Instrument Details Dialog



Menu Bar

The menu bar provides a typical Windows® user interface with familiar tasks common to Windows® applications as well as particular tasks unique to ScanPoint® Local Client functionality. Menu Bar functions are explained in Table 5, below.

Table 5. Main Window Menu Bar

Menu Item	Tasks
File Menu	<p>Open: Open a previously saved exam record.</p> <p>Close: Close the active exam record.</p> <p>Save: Saves the active exam record</p> <p>Save As: Save an existing exam record with a new name.</p> <p>Print: Print an exam record without previewing.</p>

Menu Item	Tasks
	<p>Print Preview: Preview the exam record before printing.</p> <p>Recent Files: Provides a list of links to recently opened exam records.</p> <p>Exit: Close the ScanPoint® LC program.</p>
View Menu	<p>Past Exams: Opens the Past Exams dialog box allowing you to view a list of saved exams and to view individual exams.</p> <p>Find New Instruments: BladderScan® 9000 series instruments only: Click to find new Docking Stations or to connect to BladderScan® 9000 series instruments.</p> <p>Instruments: Displays Instrument Inventory table (a list of your bladder volume instruments). including Part Number, Serial Number, and Next Calibration Date of each instrument. Calibration dates due within 20 days are flagged in red. Click a row to display that instrument's details. You can remove an instrument that is no longer used in the system or that has been replaced.</p> <p>Application Log: Table listing a history of events performed during ScanPoint® LC use. Assists Verathon Medical® in customer care work. To maintain security standards, this log contains no patient health information.</p>
Tools Menu	<p>Preferences: Provides easy access to all configurable settings in this application.</p> <p>Preferences Wizard: Provides step-by-step instructions for easily customizing the major settings of this application.</p> <p>Calibrate Monitor: A control for adjusting the brightness of your computer monitor to enhance viewing of patient exams.</p> <p>Check for Updates: Checks for any available updates to ScanPoint® LC.</p> <p>NOTE: This option requires an Internet connection.</p>
Windows Menu	<p>Cascade: Displays all open exam records, overlapped with title bars showing, with the active record on top.</p> <p>Tile Horizontal: Displays multiple open exam records with sides fit to window.</p> <p>Tile Vertical: Displays multiple open exam records with top and bottom fit to window.</p> <p>Close All: Closes all open records in the Exam Record window. You will be prompted to save any changes.</p> <p>Note: The ScanPoint® LC program will remain running.</p> <p>Opened Records: List of all exam records currently open in the Exam Record window. The active record is checked.</p>

Menu Item	Tasks
Help Menu	<p>ScanPoint® LC Help: Access ScanPoint® LC application help with Contents and Index</p> <p>Contact Information: Verathon® corporate and international office information.</p> <p>Report Samples: Contains examples of the various exam reports available in ScanPoint® LC.</p> <p>Security Best Practices: Patient Privacy and ScanPoint® LC Guidelines</p> <p>Privacy Agreement: Verathon Inc.'s Privacy Agreement</p> <p>About: ScanPoint® LC system information, copyrights and patents</p>

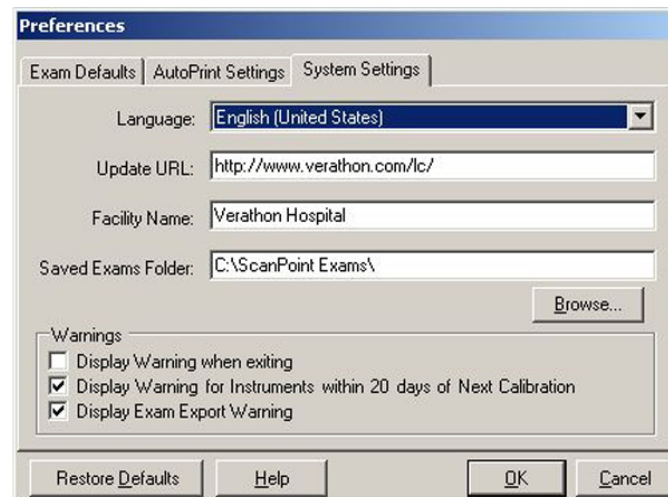
Setting Your Preferences and Defaults

The Preferences dialog box allows you to customize your ScanPoint® LC default information, printing settings, language, and preferred warnings.

NOTE: You can also use the Preferences Wizard to set your preferences. From the Tool select Preferences Wizard.

1. From the Tools menu, choose Preferences. The Preferences dialog is displayed (Figure 16).

Figure 16. Preferences Dialog



2. Consult Table 6, below for the ScanPoint® preferences you can set up or change. When you are finished editing your settings, click the OK button to save your changes and exit the Preferences dialog box.

NOTE: To reset all your preferences to their default settings, click the RESTORE DEFAULTS button.

Table 6. Editing ScanPoint® Preferences - All Devices

To	Do this
To set a default operator, physician, and/or report type	<ol style="list-style-type: none"> 1. Click the Exam Defaults tab. 2. Enter the desired names in the Default Operator and Default Physician fields. 3. To select a default report for each exam type, click the ▼ beside the report name and select the desired report from the drop down list. 4. Click Ok to save your changes and close the preferences dialog.
To change auto prompts and or autoprinting defaults	<ol style="list-style-type: none"> 1. Click the AutoPrint Settings tab. 2. Check or clear the desired settings. You can choose <ul style="list-style-type: none"> ♦ To be prompted to complete exam details before processing exams. ♦ To have exams be automatically printed after analysis. ♦ Pre-select the printer and report type. ♦ Have an exam results window open after printing. 3. Click Ok to save your changes and close the preferences dialog.
Change system settings such as default language, facility name, saved exams folder, and warnings	<p>To start click the System Settings tab.</p> <p>Options include:</p> <ul style="list-style-type: none"> ♦ Language: Choose English or Japanese. ♦ Update URL: Do not change this setting unless directed to do so by a Verathon® representative. ♦ Facility Name: Type the desired name. This name will appear in the headers of your ScanPoint® reports. ♦ Saved Exams Folder: Click the BROWSE button to select a location for saved exams. ♦ Warnings: Check desired warnings (warn when exiting, when a device is within 20 days of next calibration, and when exporting an exam)

Calibrating Your Computer Monitor

Because you will be reading B-mode images on your computer monitor, it is essential that your monitor is adjusted to display these images optimally.


To calibrate your monitor to best view exams results:

1. From the menu bar, select Tools > Calibrate Monitor. The Calibrate Monitor dialog opens (Figure 17).

Depending on the current brightness setting of your monitor, you may or may not see a dark circle in the first box in the image.

Figure 17. Calibrating Your Monitor



2. If you can see a black circle in the first box, use the brightness control  on your monitor to decrease the brightness just until the circle disappears.

If you don't see a dark circle, increase the brightness until the circle is visible and then reduce the brightness until the circle just disappears.

The brightness setting is optimum when the circle just barely disappears.

Arranging Exam Records in the ScanPoint® LC Window

You can open multiple exam records in the ScanPoint® LC window and arrange them for comparison.

To arrange exam records:

On the menu bar, click Window.

- ♦ Select **Cascade** to overlap exam records (all title bars are visible).
- ♦ Select **Tile Horizontal** to display records side by side.
- ♦ Select **Tile Vertical** to display records in a column.

You can make changes only in the active record. The active record is always displayed on top with its title bar highlighted.

To move a record click and hold the title bar and drag the window to the desired location.

Updating ScanPoint® Local Client

To check for software updates to ScanPoint® Local Client, from the tool bar select Tools > Check for Updates.

NOTE: This procedure requires an Internet connection and ScanPoint® Online account. In addition, the Update URL setting must be set correctly in your System Preferences settings. (See the preceding section for setting preferences.) Please contact your Verathon Medical® Customer Care Representative for assistance with the Update URL.

Managing Exam Results

Features of the Blank Exam Record

If a BladderScan® device is in its Docking Station / Wireless Hub -- or if a FloPoint® Elite device is in its Docking Station, and if the instrument is holding a scan, a blank exam record will open, ready to receive new exam details. (Figure 18).

Figure 18. Blank Exam Record

The screenshot shows the ScanPoint® LC software window. The title bar reads "ScanPoint® LC". The menu bar includes "File", "View", "Tools", "Window", and "Help". The left sidebar contains buttons for "ScanPoint®", "Past Exams", and "Help", along with a device icon labeled "9426" and a "Find New" button at the bottom. The main window displays the "Mobile BladderScan®" interface with the Verathon logo. The title bar of the main window reads "Mobile BladderScan®: 2/11/2008 [Exam ID: 10]". The "Exam Information" section contains the following fields and buttons:

Exam Information	
* Patient ID	<input type="text"/>
Last Name	<input type="text"/>
First Name	<input type="text"/>
* Operator	BarbaraP
Physician	Dr Bob

Buttons: Search, Listen, Submit

* These fields are required to save this exam.

Please enter information and then press the 'Submit' button.

Original Instrument: 9426

Exam Record Features

Title Bar: Displays the name and type of instrument used to perform the scan and the date the scan was performed.

Exam Information: To save the exam, fill in the fields and click the SUBMIT button. Fields marked with a * are required.

SEARCH button: Calls up a list of existing patient IDs.

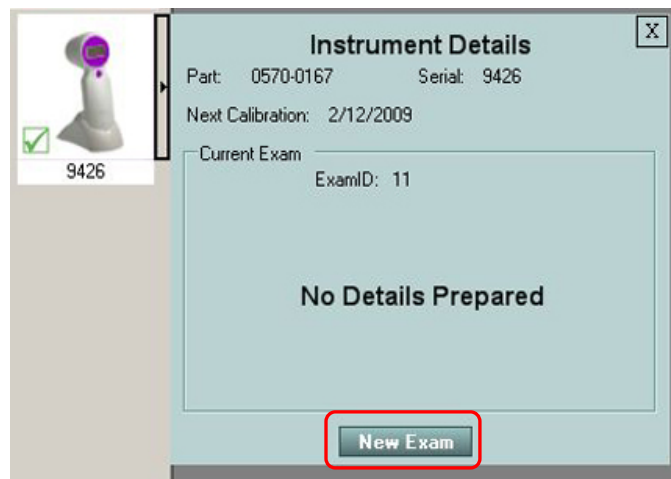
LISTEN button: For Mobile BladderScan® BVI 6400 or BVI 9400 voice annotated exams. Click to play back recordings of exam annotations.

Preparing a New Exam

To enter exam details prior to performing an exam:

1. Open the Instrument Details window (Figure 19) by clicking the ► to the right of the instrument icon. Click the NEW EXAM button.

Figure 19. Instrument Details Window



The Preparing Device for Scan dialog will open (Figure 20).

Figure 20. Preparing Device for Scan Dialog

The image shows a dialog box titled "Preparing device for scan". At the top, it says "Please enter information and then press the 'Submit' button." Below this are several input fields: "Patient ID" (marked with a red asterisk), "Last Name", "First Name", "Operator" (marked with a red asterisk and containing "BarbaraP"), and "Physician" (containing "Dr Bob"). To the right of the "Patient ID" field is a "Search" button. At the bottom of the dialog is a "Submit" button. A line of text at the bottom reads: "* These fields are required to save this exam."

2. Fill in the blank fields and click SUBMIT. Fields marked with a * are required.

Click SEARCH to call up a list of existing patient IDs.

Transmitting Exams to ScanPoint® Local Client

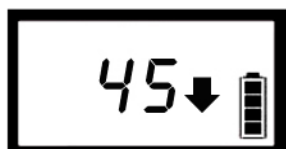
IMPORTANT! Unsaved exam data could be lost.

If the battery is low or the ScanPoint® Remote goes into sleep mode (after 20 continuous minutes of non-use or charging), unsaved exam data is lost.

To upload exam data to ScanPoint® LC:

1. After performing an exam with your BladderScan® or FloPoint® instrument, place the instrument in its Docking Station (BVI 6000 series and FloPoint® Elite) or within proximity to the Wireless Hub (BVI 9000 series).
 - ♦ **BVI 6000 series devices and FloPoint® Elite:** As the exams are being transmitted to ScanPoint® LC, the handset display shows the percentage of the data that has been transferred (Figure 21).

Figure 21. Exam Transmission Status



- ♦ **BVI 9000 series devices:** As the exams are being transmitted to ScanPoint® LC, the LCD screen on the BladderScan® console displays a "Communicating" icon (Figure 22).

Figure 22. Communicating Icon



2. When transmission is complete, an exam record will open (Figure 23). Enter patient details as required. Refer to Table 7 for more information on exam detail fields.

Voice Annotated Exams

(Mobile BladderScan® BVI 6400, BVI 9000 series devices, and FloPoint® Elite)

Voice annotated exams will immediately begin uploading in reverse order from how they were taken. *Do not remove the device from the Docking Station / Wireless Hub while exam data is uploading.*

Figure 23. Uploaded Exam Record -- BVI 6400

Mobile BladderScan®

VERATHON

Exam Information

Upload Date10/10/2007

* Patient ID

jane doe

Search

Last Name

Doe

Listen

First Name

Jane

* Operator

BarbaraP

Physician


Dr Bob

* These fields are required to save this exam.

Click 'Save Exam' to save this exam.

Save Exam

Original Instrument

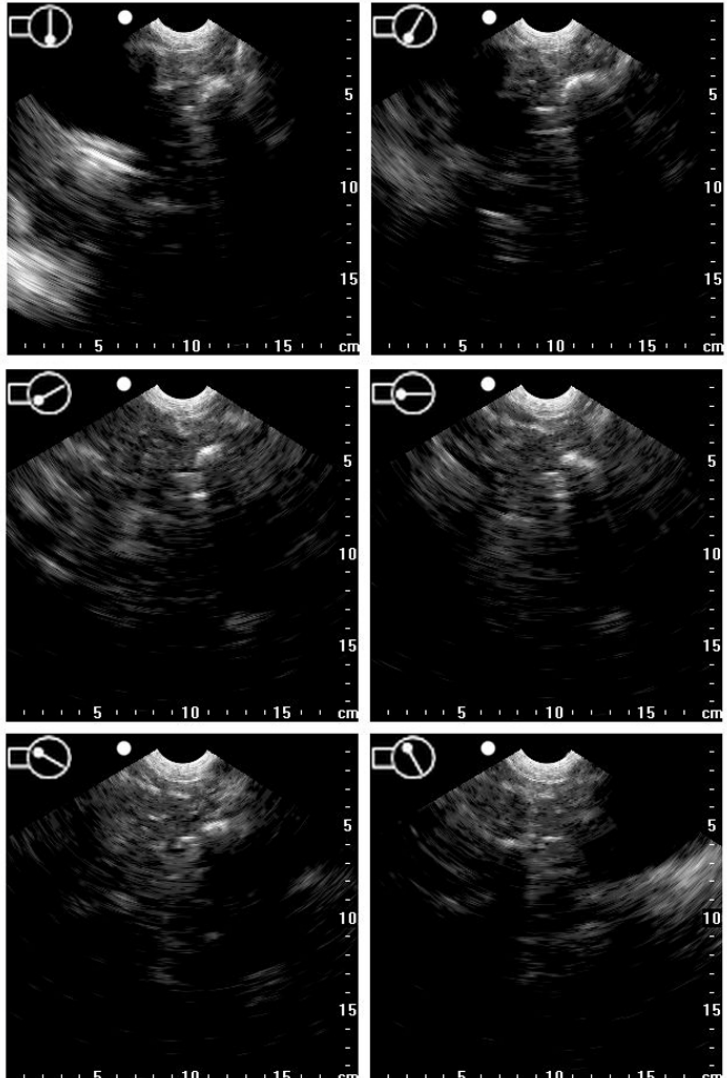


4110001

Measurements

Urine Volume130 ml

Images



3. After completing the exam record you can print and/or save the exam record.

- ♦ **To print:** From the tool bar select File > Print. To preview the record prior to printing, select File > Print Preview.

Please refer to ScanPoint® Reports beginning on page 38 for a full description of ScanPoint® LC reports.

- ♦ **To Save:** Click the SAVE EXAM button or from the tool bar, select File > Save.

Table 7. Exam Details Fields

Item	Meaning
Patient ID*	The unique code you use to identify this patient. If you don't know the Patient ID code, press the SEARCH button to display a list of the codes you have assigned to your patients.
Patient Name	The patient's name as it appears in your records.
Operator*	The person performing the exam.
Physician	The patient's primary health care provider.
Select Gender (FloPoint® Elite only)	The patient's gender.
Select Position (FloPoint® Elite only)	The patient's position during the exam (standing or sitting).
Select Normal Void (FloPoint® Elite only)	"Yes" if the patient feels that the void was representative of his/her routine voiding.
Select a report type to print	Click the down arrow (▼) at the right of the text box to select the type of report you wish to print. NOTE: You can view sample report formats in ScanPoint® LC by going to the Help menu and selecting "Report Type Samples."
Select a printer*	Click the down arrow (▼) at the right of the text box to select the printer for the report.

NOTE: Fields marked with a red asterisk (*) are required in order for the exam to be available later in ScanPoint® LC.

Notes on Saving Exams

- ♦ If you create new folders for your saved exams, they must be created under the default Saved Exams folder in order to appear in the Past Exams list.

- ♦ Exams are automatically listed in the format Patient ID_date_time. You can rename the file, but do not change the folder or file type unless you have a specific reason to do so.
- ♦ If you save an exam result in a different folder or with a different file name, a new record is created. All saved records will appear in the Past Exams list, even though two or more exams may refer to the same Exam ID.
- ♦ Good file names are essential to efficient records retrieval and management. Follow local protocols for file naming conventions.

ScanPoint® Reports

BladderScan® Orientation Icons

Exam images generated by BladderScan® 6000 series and BladderScan® 9000 series devices utilize orientation icons to facilitate image interpretation.

Figure 24. An orientation icon is displayed in the upper left corner of each scan image.



The circle and rectangle in each icon represent the Probe: the circle represents the transducer (black rounded end) and the rectangle represents the handgrip. The white dot in the icon corresponds to the dot displayed at the upper left of the scan image.

Therefore, assuming the Probe is held perpendicular to the patient's spine and his or her right side:



Indicates that the scan was taken in the sagittal plane, with the left side of the image towards the patient's feet.




Indicates that the scan was taken in the transverse plane, with the left side of the image toward the patient's right side.


Printing ScanPoint® Reports

You can preview available report formats on the next few pages.

To preview the report before printing:

1. From the tool bar select File > Print Preview or click  on the tool bar.
2. In the Select Report Type dialog, select the desired report format from the drop down list and click Ok.
3. If you are satisfied with the preview, click Print. If you want to make changes, click Close. Make changes in the exam record and preview again.

To print a report without previewing:

1. After opening the exam results, from the tool bar select File > Print or click . The Select Report Type dialog will open.
2. Use the drop down list to select either Printable Page, Printable Page for Physicians Offices, or Printable Page for ECF/SNF.
3. After making your selection click Ok. Windows® print dialog will open. Select the printer you wish to use and click PRINT.

BladderScan® Reports: BVI 6100, BVI 6200, BVI 6400, and BVI 9400

Samples of each type of ScanPoint® report that can be generated by the BladderScan® BVI 6100, BVI 6200, BVI 6400, and BVI 9400 are shown on the next few pages.

BladderScan® Printable Page

The BladderScan® Printable Page (Figure 25) displays exam details and six images from the V-MODE® measurement. This report format applies to results from the BladderScan® BVI 6100, Pediatric BladderScan® (BVI 6200), and Mobile BladderScan® (BVI 6400) instruments.

Figure 25. BladderScan® Printable Page (BVI 6100, BVI 6200, BVI 6400)

BladderScan® Results

My Hospital

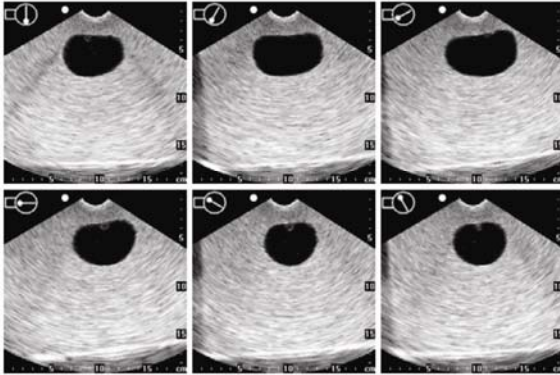
Upload Date:	08/04/2006	Urine Volume: 123 ml
Patient ID:	Sam Ple	
Patient Name:	Sam Ple	
Operator:	User	
Physician:	Doctor	

Physician Signature : _____

The BladderScan® Report for Physician's Office

The BladderScan® Report for Physician's Office (Figure 26) displays exam details, six images from the V-MODE® measurement, and a diagnostic checklist for the physician's records. This report format applies to results from the BVI 6100, BVI 6200, and BVI 6400 instruments.

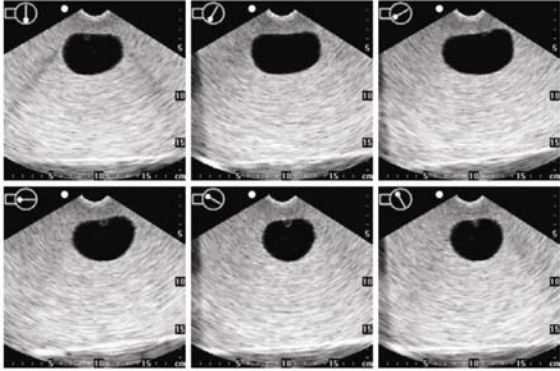
Figure 26. BladderScan® Report for Physicians Office (BVI 6100, BVI 6200, BVI 6400)

BladderScan® Report for Physician's Office			
My Hospital			
Patient Name:	Sam Ple	Upload Date:	Urine Volume: 123 ml
Patient ID:	Sample	08/04/2006	
Chief Complaint:			
<input type="checkbox"/> Urgency	<input type="checkbox"/> Frequency	<input type="checkbox"/> Male	<input type="checkbox"/> Female
<input type="checkbox"/> Dysuria	<input type="checkbox"/> Nocturia	<input type="checkbox"/> Dribbling	<input type="checkbox"/> Urinary Tract Infection
<input type="checkbox"/> Hesitancy	<input type="checkbox"/> Other _____	<input type="checkbox"/> Slow Stream	<input type="checkbox"/> Urinary Incontinence
Medical History:			
<input type="checkbox"/> History of Urinary Retention		<input type="checkbox"/> Suprapubic Pain or Discomfort	
<input type="checkbox"/> Neurologic Disease _____			
<input type="checkbox"/> Other: _____			
Findings:			
<input type="checkbox"/> Urine Volume WNL	<input type="checkbox"/> Elevated Volume	<input type="checkbox"/> Bladder Wall Thickness (Abnormal / Normal)	
<input type="checkbox"/> Diverticula (YES / NO)		<input type="checkbox"/> Stones (YES / NO)	
<input type="checkbox"/> Other _____			
Impressions:			
<input type="checkbox"/> Urinary Retention		<input type="checkbox"/> Incomplete Bladder Emptying	
<input type="checkbox"/> Other _____			
			
Operator:	User	Physician Signature: _____	
Physician:	Doctor		

The BladderScan® Report for Extended Care Facility

The BladderScan® Report for Extended Care Facility (Figure 26) displays exam details, six images from the V-MODE® measurement, and a diagnostic checklist for an extended care facility or skilled nursing facility. This report format applies to results from the BVI 6100, BVI 6200, and BVI 6400 instruments.

Figure 27. BladderScan® Report for Extended Care Facility (BVI 6100, BVI 6200, BVI 6400)

BladderScan® Report for ECF/SNF			
My Hospital			
Patient Name:	Sam Ple	Upload Date:	08/04/2006
Patient ID:	Sample	Urine Volume:	123 ml
Symptoms:			
<input type="checkbox"/> Urinary Incontinence	<input type="checkbox"/> Urgency	<input type="checkbox"/> Frequency	<input type="checkbox"/> Urinary Tract Infection
<input type="checkbox"/> Nocturnal Enuresis	<input type="checkbox"/> Dysuria	<input type="checkbox"/> Nocturia	<input type="checkbox"/> Hematuria
<input type="checkbox"/> Other: _____			
Medical History:			
<input type="checkbox"/> Change in Continence Status	<input type="checkbox"/> History of Urinary Retention		
<input type="checkbox"/> Suprapubic Pain or Discomfort	<input type="checkbox"/> Neurologic Disease: _____		
<input type="checkbox"/> Diagnosis of Neurogenic Bladder	<input type="checkbox"/> Recurrent UTIs		
<input type="checkbox"/> Other: _____			
Findings:			
<input type="checkbox"/> Urine Volume WNL	<input type="checkbox"/> Elevated Volume	<input type="checkbox"/> Other: _____	
Impressions:			
<input type="checkbox"/> Urinary Retention	<input type="checkbox"/> Incomplete Bladder Emptying	<input type="checkbox"/> Other: _____	
Treatment Plan:			
<input type="checkbox"/> Indwelling Urethral Catheter	<input type="checkbox"/> Monitor PVR		
<input type="checkbox"/> Intermittent Catheterization	<input type="checkbox"/> Other: _____		
			
Operator:	User	Physician Signature: _____	
Physician:	Doctor		

BladderScan® 9400 ScanPoint® Reports

Samples of each type of ScanPoint® report that can be generated by the BladderScan® BVI 9400 are shown on the next few pages. Reports created in ScanPoint® LC contain the following information:

Table 8. ScanPoint® LC Report Fields

All Devices	Explanation
Exam Date and Time	The date and time the exam was performed.
Patient ID	The patient's ID as entered into ScanPoint® Local Client.
Patient Name	The patient's name as entered into ScanPoint® Local Client.
Operator	The instrument operator for this exam, as entered into ScanPoint® Local Client.
Physician	The supervising physician for this exam, as entered into ScanPoint® Local Client.
Urine Volume	The volume of urine in the bladder, calculated from the ultrasound measurement.
Scan Images (BladderScan® only)	Six representative image planes from the exam. These images are displayed with vertical and horizontal scale bars showing one centimeter increments, and with orientation icons (explained in the next paragraph).

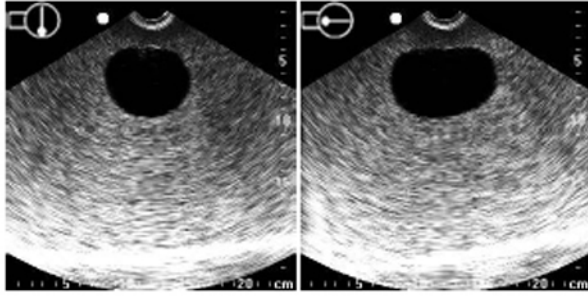
BladderScan® Standard Report, BVI 9400

This report type (Figure 28), displays exam details and two images from the ultrasound measurement.

Figure 28. BladderScan® Standard Report (BVI 9400)

BladderScan® Results

Exam Date & Time:	Thursday, March 08, 2007 10:07:12 AM		
Patient ID:	9400		
Patient Name:	Sample	Urine Volume: 143 ml	
Operator:	Sample		
Physician:	Sample		

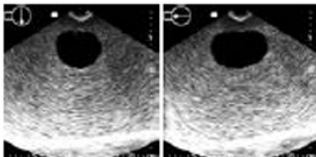


Physician Signature: _____

Report for a Physician's Office, BVI 9400

This report type (Figure 29) displays exam details, two images from the ultrasound measurement, and a diagnostic checklist for the physician's records.

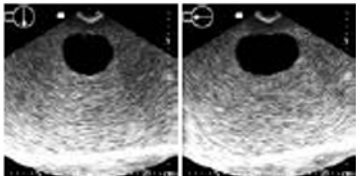
Figure 29. Report for a Physician's Office (BVI 9400)

BladderScan® Report for Physician's Office		
Patient Name: Sample	Scan Date / Time: Thursday, March 08, 2007 10:07:12 AM	Urine Volume: 143 ml
Chief Complaint:		
<input type="checkbox"/> Urgency	<input type="checkbox"/> Frequency	<input type="checkbox"/> Male <input type="checkbox"/> Female
<input type="checkbox"/> Dysuria	<input type="checkbox"/> Nocturia	<input type="checkbox"/> Dribbling
<input type="checkbox"/> Hesitancy	<input type="checkbox"/> Other _____	<input type="checkbox"/> Slow Stream
<input type="checkbox"/> Urinary Tract Infection		
<input type="checkbox"/> Urinary Incontinence		
Medical History:		
<input type="checkbox"/> History of Urinary Retention		
<input type="checkbox"/> Suprapubic Pain or Discomfort		
<input type="checkbox"/> Neurologic Disease _____		
<input type="checkbox"/> Other: _____		
Post-Op Evaluation Emptying:		
<input type="checkbox"/> TURP	<input type="checkbox"/> Sling	<input type="checkbox"/> RRP
<input type="checkbox"/> TUIBN	<input type="checkbox"/> SEEDS	<input type="checkbox"/> Cryo
<input type="checkbox"/> Cysto	<input type="checkbox"/> PNBX	<input type="checkbox"/> PP
<input type="checkbox"/> SP	<input type="checkbox"/> Suspension	<input type="checkbox"/> Peri-Urethral Injs
<input type="checkbox"/> Other _____		
Findings:		
<input type="checkbox"/> Urine Volume WNL	<input type="checkbox"/> Elevated Volume	<input type="checkbox"/> Bladder Wall Thickness (Abnormal / Normal)
<input type="checkbox"/> Diverticula (YES / NO)	<input type="checkbox"/> Stones (YES / NO)	
<input type="checkbox"/> Other _____		
Impressions:		
<input type="checkbox"/> Urinary Retention		
<input type="checkbox"/> Incomplete Bladder Emptying		
<input type="checkbox"/> Other _____		
		
Operator:	Sample	Physician
Physician:	Sample	Signature: _____

Report for an Extended Care Facility, BVI 9400

This report type (Figure 30) displays exam details, two images from the ultrasound measurement, and a diagnostic checklist for an Extended Care Facility or Skilled Nursing Facility.

Figure 30. Extended Care Facility Report (BVI 9400)

BladderScan® Report for ECF/SNF			
Patient Name:	Sample	Scan Date / Time:	Urine Volume: 143 ml
Patient ID:	9400	Thursday, March 08, 2007 10:07:12 AM	
Symptoms:		<input type="checkbox"/> Male	<input type="checkbox"/> Female
<input type="checkbox"/> Urinary Incontinence	<input type="checkbox"/> Urgency	<input type="checkbox"/> Frequency	<input type="checkbox"/> Urinary Tract Infection
<input type="checkbox"/> Nocturnal Enuresis	<input type="checkbox"/> Dysuria	<input type="checkbox"/> Nocturia	<input type="checkbox"/> Hematuria
<input type="checkbox"/> Other: _____			
Medical History:			
<input type="checkbox"/> Change in Continence Status		<input type="checkbox"/> History of Urinary Retention	
<input type="checkbox"/> Suprapubic Pain or Discomfort		<input type="checkbox"/> Neurologic Disease: _____	
<input type="checkbox"/> Diagnosis of Neurogenic Bladder		<input type="checkbox"/> Recurrent UTIs	
<input type="checkbox"/> Other: _____			
Findings:			
<input type="checkbox"/> Urine Volume WNL		<input type="checkbox"/> Elevated Volume	
<input type="checkbox"/> Other: _____			
Impressions:			
<input type="checkbox"/> Urinary Retention		<input type="checkbox"/> Incomplete Bladder Emptying	
<input type="checkbox"/> Other: _____			
Treatment Plan:			
<input type="checkbox"/> Indwelling Urethral Catheter		<input type="checkbox"/> Monitor PVR	
<input type="checkbox"/> Intermittent Catheterization		<input type="checkbox"/> Other: _____	
			
Operator:	Sample	Physician Signature: _____	
Physician:	Sample		

FloPoint® Elite Reports

There are two different styles of reports provided by the FloPoint® Elite system:

- ♦ A summary report that provides only the peak flow measurement (Figure 31).
- ♦ A detailed report that provides all measurements (Figure 31).

To print a FloPoint® exam:


4. After opening the exam results, click on either the Summary or the Detail links to open a preview of the printed report.
5. Once the preview is open, from the tool bar select File > Print or click  to send the report to your printer.

Figure 31. FloPoint® Summary Report

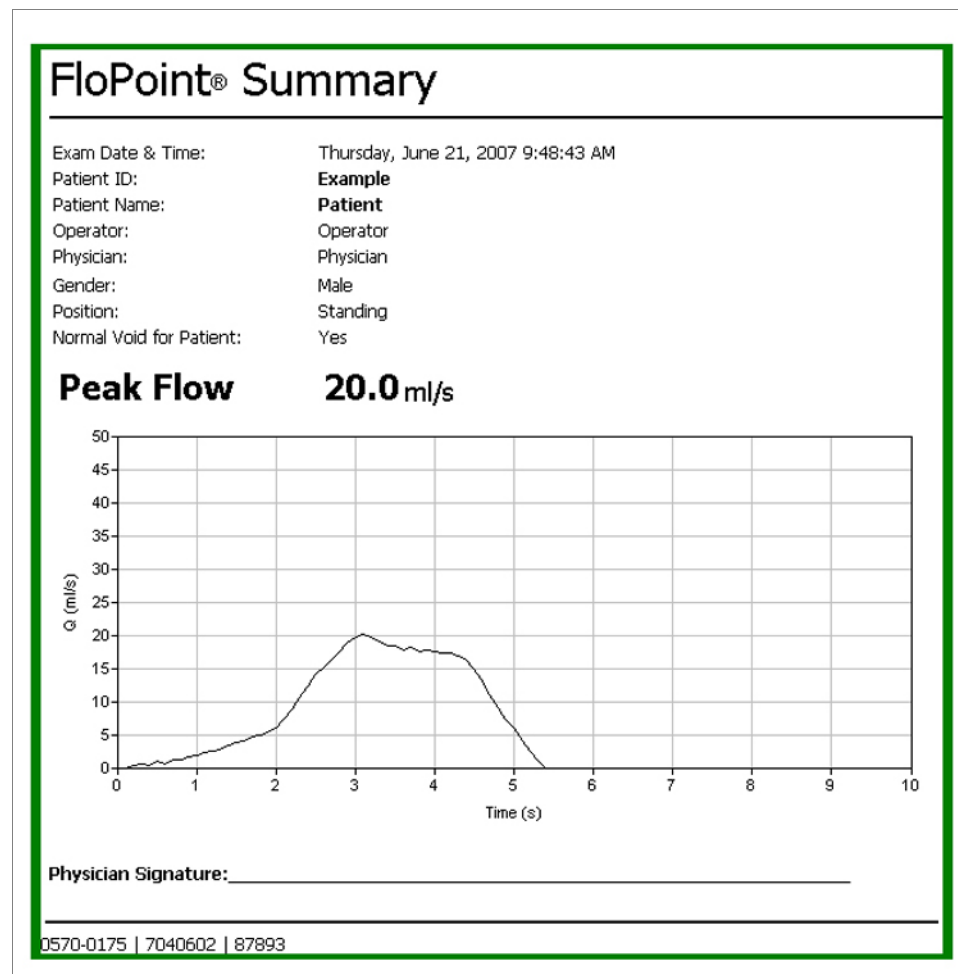
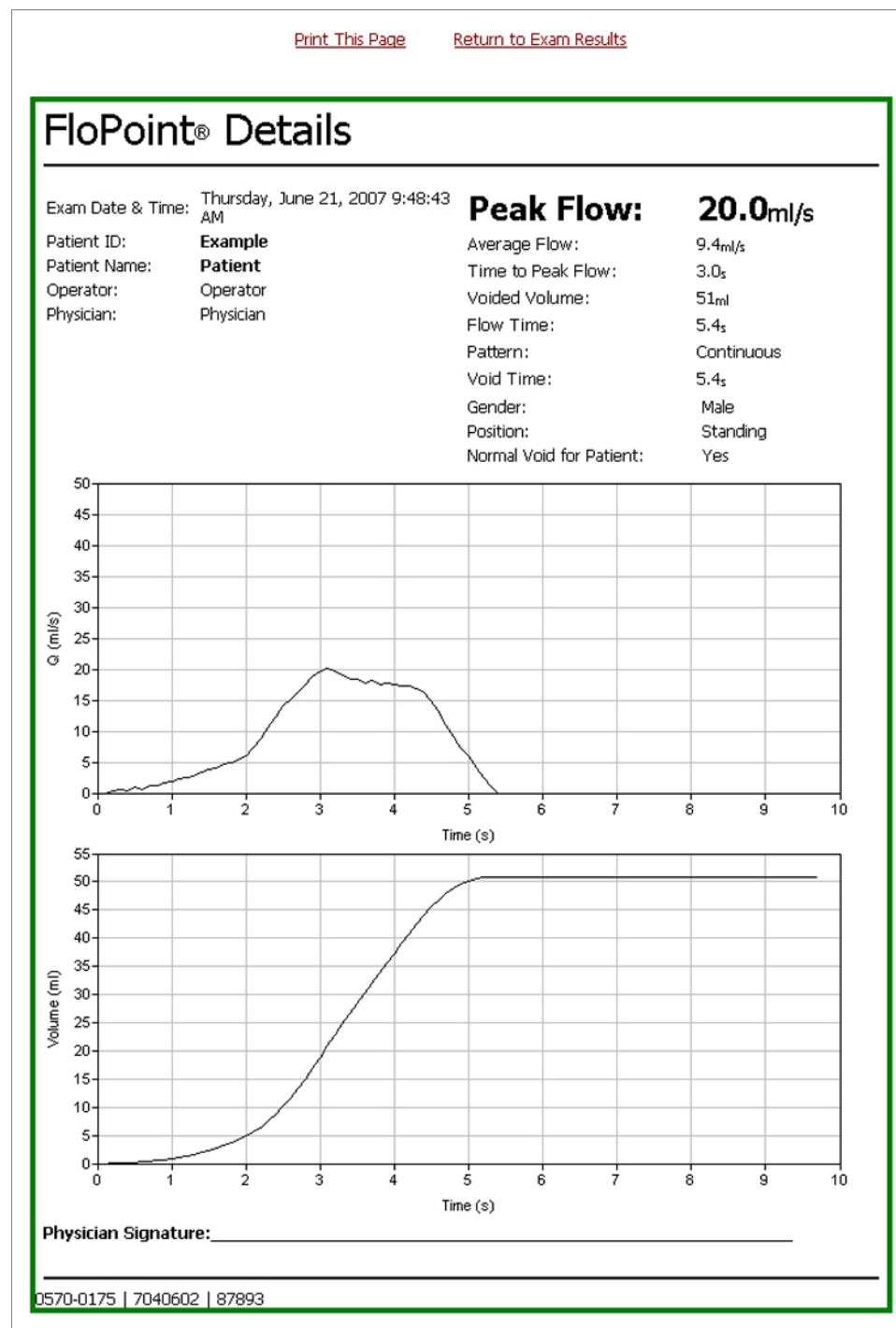


Figure 32. FloPoint® Details Report



Troubleshooting and Maintenance

Verathon® provides an extensive array of customer care resources, described in the table below.

You can obtain copies of this manual, Quick Reference Cards, and clinical studies and view training videos by accessing the Verathon® Web site at <http://www.verathon.com> or by contacting your Verathon Medical® representative. A complete listing of contact information is provided on page 53.

Table 9. Verathon® Help Resources

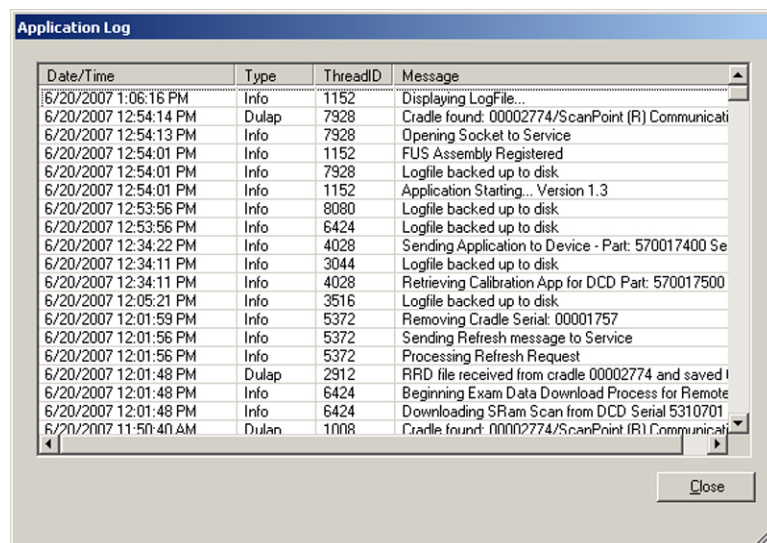
Resource	Description
Quick Reference Cards	Summary of procedures for using the BladderScan® devices and the FloPoint® Elite Uroflow System.
This manual	Refer to the troubleshooting suggestions that begin on page 50 for solutions to common problems.
The Verathon® Web site	The Verathon® Web site (www.verathon.com) provides the latest user manuals, quick reference cards, clinical studies, and training videos.
ScanPoint® Local Client Software Install CD	ScanPoint® Local Client software.
In-Service CDs	Available for all BVI 6000, BVI 9000, and FloPoint® Elite devices. Includes User's Manual and Quick Reference Cards.
ScanPoint® Help	From your ScanPoint® application, select Help from the toolbar at the top of the ScanPoint® window.
System Diagnostics	This tool checks your system and lets you know of any problems or needed updates (Requires an Internet connection).

Real Time System Diagnostics

NOTE: This troubleshooting tool requires an Internet connection and a ScanPoint® Online account.

If you are experiencing problems, the Verathon Medical® Customer Care department may request permission to view your application log. After you consent to sending the log to Verathon Medical® the log will be automatically transmitted to the Verathon Medical® Customer Care department. (Figure 33).

Figure 33. Application Log



Date/Time	Type	ThreadID	Message
6/20/2007 1:06:16 PM	Info	1152	Displaying LogFile...
6/20/2007 12:54:14 PM	Dulap	7928	Cradle found: 00002774/ScanPoint (R) Communicati
6/20/2007 12:54:13 PM	Info	7928	Opening Socket to Service
6/20/2007 12:54:01 PM	Info	1152	FUS Assembly Registered
6/20/2007 12:54:01 PM	Info	7928	Logfile backed up to disk
6/20/2007 12:54:01 PM	Info	1152	Application Starting... Version 1.3
6/20/2007 12:53:56 PM	Info	8080	Logfile backed up to disk
6/20/2007 12:53:56 PM	Info	6424	Logfile backed up to disk
6/20/2007 12:54:22 PM	Info	4028	Sending Application to Device - Part: 570017400 Se
6/20/2007 12:34:11 PM	Info	3044	Logfile backed up to disk
6/20/2007 12:34:11 PM	Info	4028	Retrieving Calibration App for DCD Part: 570017500
6/20/2007 12:05:21 PM	Info	3516	Logfile backed up to disk
6/20/2007 12:01:59 PM	Info	5372	Removing Cradle Serial: 00001757
6/20/2007 12:01:56 PM	Info	5372	Sending Refresh message to Service
6/20/2007 12:01:56 PM	Info	5372	Processing Refresh Request
6/20/2007 12:01:48 PM	Dulap	2912	RRD file received from cradle 00002774 and saved t
6/20/2007 12:01:48 PM	Info	6424	Beginning Exam Data Download Process for Remote
6/20/2007 12:01:48 PM	Info	6424	Downloading SRam Scan from DCD Serial 5310701
6/20/2007 11:50:40 AM	Dulan	1008	Cradle found: 00002774/ScanPoint (R) Communicati

The application log has a record of all the actions the ScanPoint® Local Client program has performed. There is no patient health information included. You can see your application log by going to the View menu and selecting “Application Log.”

Common Issues and Solutions

Table 10, below, lists common problems along with explanations and suggestions for resolving them. If you cannot find a solution here, contact your local Verathon® representative or the Verathon Medical® Customer Care department at 1.800.331.2313.

Table 10. Common Issues and Solutions

Question	Solution
How can I improve my system security and privacy?	Please review the Security Best Practices guidelines available in the ScanPoint® Local Client Help menu.
What should I do when I insert the installation CD into my CD drive and the installation window does not appear?	<ol style="list-style-type: none"> 1. From Windows®, open My Computer. 2. Double-click your CD drive icon. 3. Double-click the setup.exe file.

Question	Solution
I can't see the ScanPoint® icon in my system tray.	<p>The ScanPoint® Local Client icon does not appear in the system tray when:</p> <ul style="list-style-type: none">♦ The ScanPoint® Local Client window is open in the background. Look for a ScanPoint® icon on your task bar, and click it to bring the ScanPoint® LC window to the front.♦ You have exited ScanPoint® Local Client. See "Starting ScanPoint® LC" on page 21 for instructions on starting the application.
I don't see any Docking Stations / Wireless Hubs in the ScanPoint® LC window	<p>If you do not see any Docking Station(s) / Wireless Hub(s) in the ScanPoint® LC window:</p> <ul style="list-style-type: none">♦ Click the FIND NEW button (in the lower left corner of the ScanPoint® LC window) to identify and connected Docking Stations / Wireless Hubs.♦ Check your USB connections. Ensure that the cord(s) from your Docking Station(s) / Wireless Hub(s) are attached securely to your system.♦ If you are installing your Docking Station / Wireless Hub for the first time you may be prompted to use the Install New Hardware Wizard. In this case, follow the on-screen prompts until installation is complete.♦ Try a different USB connector.♦ Try re-starting your computer and re-opening ScanPoint® LC.
I see a connected Docking Station / Wireless Hub but not the instrument.	<p>If you do not see any devices in the Docking Station(s) / Wireless Hub(s):</p> <ul style="list-style-type: none">♦ Remove the device from its Docking Station or Battery Charger/ Wireless Hub, wait 3 seconds and replace it.♦ Your device battery may be very low. Leave the device in the Docking Station or Battery Charger/ Wireless Hub until the battery is fully charged.♦ Try re-starting your computer and re-opening ScanPoint® LC.

Question	Solution
I can't find certain exam results.	<p>Make sure that the exam was transmitted to your account and not to someone else's. If it was transmitted to your account and you can't find it, one of the following conditions may apply:</p> <p>ScanPoint® may not have validated the exam yet. Wait a few minutes and try again.</p> <p>The exam results may have already been viewed. If so, go to the Past Exams page and request the results again.</p>
How do I un-install ScanPoint® Local Client?	<p>To remove ScanPoint® Local Client from your computer:</p> <ol style="list-style-type: none"> 1. From the Windows® Start menu, choose "Control Panel" to open the Control Panel. 2. Double-click the "Add or Remove Programs" icon. 3. Locate ScanPoint® Local Client in the software list, and click to highlight it. 4. Press the "Remove" button to un-install ScanPoint® Local Client.
I can't start the ScanPoint® LC program.	<p>Exit all your Internet Explorer windows and restart the program.</p>
I can't sign in to ScanPoint® Online	<p>You may have mistyped your user name or password. Try re-typing them again, making sure of spelling and correct use of upper and lower case letters.</p> <p>If you can't remember your login name or password, contact the Verathon Medical® Customer Care Department at 1.800. 331.2313 or your local service contact on page 53.</p>
My ScanPoint® Online session has expired.	<p>Your ScanPoint® session has timed out because it was idle for over 12 hours. Close the ScanPoint® Online browser window and re-login.</p>
The BladderScan® (FloPoint®) device won't communicate with ScanPoint® LC.	<ul style="list-style-type: none"> ♦ Check the connections between the Docking Station (Wireless Hub) and the USB port on your computer. Try unplugging and then re-plugging in the USB connector. ♦ Verify that ScanPoint® Local Client software is installed. ♦ Click the FIND NEW button (in the lower left corner of the ScanPoint® LC window) to identify and connected Docking Stations / Wireless Hubs.

Contacting Verathon®

The team at Verathon® is committed to modernizing healthcare delivery by putting patients first. Our products support healthcare professionals by providing accuracy, utility, and excellence. For additional product and company information, visit the Verathon® Web site at <http://www.verathon.com>. If you have any questions or comments about Verathon® products and services, please contact us at:

Corporate Headquarters (USA)

Verathon Incorporated
20001 North Creek Parkway
Bothell, WA 98011
USA

Toll free: 800.331.2313 (US & Canada Only)

Tel: 425.867.1348

Fax: 425.883.2896

Web: <http://www.verathon.com>

Email: customerservice@verathon.com

Verathon Medical B. V. (Europe)

Linnaeusweg 11
3401 MS IJsselstein
The Netherlands

Tel: +31.30.68.70.570

Fax: +31.30.68.70.512

Web: <http://www.verathon.eu/>

Email: customerserviceeu@verathon.nl

Verathon Medical Sarl (France)**Office Address:**

Espace Europeen de l'Entreprise
2 allée d'Oslo
67300 Schiltigheim
France

Postal Address:

BP 10039
F-67012 Strasbourg Cedex
France

Tel: +33(0)3.88.60.14.02

Fax: +33(0)3.88.60.46.87

Email: info@verathon.fr

**Verathon Medical Ltd.
(United Kingdom)**

The Granary Manor Farm Courtyard
Aston Sandford, Aylesbury
Buckinghamshire, HP17 8JB
United Kingdom

Tel: +44.1844.299.207

Fax: +44.1844.299.218

Web: <http://www.verathon.co.uk/>

Email: customerserviceuk@verathon.co.uk

Verathon Medical K. K. (Japan)

Executive Tower Azabudai 7F
1-4-3 Azabudai
Minato-ku
Tokyo, Japan 106-0041

Tel: +81.03.3560.3501

Fax: +81.03.3560.3502

Email: servicejp@verathon.com

